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## Produktinformation



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### Zuschläge

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- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# TES (m2): 293T Lysate: sc-123983

## BACKGROUND

TES was originally identified as a candidate tumour suppressor gene and has been found to encode a novel focal adhesion protein called TES or Testin. TES localises to cell-cell contacts and Actin stress fibres, and interacts with a variety of cytoskeletal proteins including Zyxin, Mena, VASP, Talin and Actin. The ability of TES to associate with  $\alpha$ -actinin, paxillin and Zyxin is dependent on the conformational state of the molecule. TES contains three LIM zinc-binding domains and may act as a tumor suppressor. Overexpression of the TES gene results in increased cell spreading and decreased cell motility.

## REFERENCES

1. Garvalov, B.K., Higgins, T.E., Sutherland, J.D., Zettl, M., Scaplehorn, N., Kocher, T., Piddini, E., Griffiths, G. and Way, M. 2003. The conformational state of TES regulates its Zyxin-dependent recruitment to focal adhesions. *J. Cell Biol.* 161: 33-39.
2. Coutts, A.S., MacKenzie, E., Griffith, E. and Black, D.M. 2003. TES is a novel focal adhesion protein with a role in cell spreading. *J. Cell. Sci.* 116: 897-906.
3. Chene, L., Giroud, C., Desgrandchamps, F., Boccon-Gibod, L., Cussenot, O., Berthon, P. and Latil, A. 2004. Extensive analysis of the 7q31 region in human prostate tumors supports TES as the best candidate tumor suppressor gene. *Int. J. Cancer* 111: 798-804.
4. Griffith, E., Coutts, A.S. and Black, D.M. 2005. RNAi knockdown of the focal adhesion protein TES reveals its role in Actin stress fibre organisation. *Cell Motil. Cytoskeleton* 60: 140-152.
5. Rotter, B., Bournier, O., Nicolas, G., Dhermy, D. and Lecomte, M.C. 2005.  $\alpha$ -spectrin interacts with TES and EVL, two Actin-binding proteins located at cell contacts. *Biochem. J.* 388: 631-638.

## CHROMOSOMAL LOCATION

Genetic locus: Tes (mouse) mapping to 6 A2.

## PRODUCT

TES (m2): 293T Lysate represents a lysate of mouse TES transfected 293T cells and is provided as 100  $\mu$ g protein in 200  $\mu$ l SDS-PAGE buffer.

## APPLICATIONS

TES (m2): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive TES antibodies. Recommended use: 10-20  $\mu$ l per lane.

Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

## STORAGE

Store at  $-20^{\circ}$  C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

## RESEARCH USE

For research use only, not for use in diagnostic procedures.

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) for detailed protocols and support products.